



Form PTO-1449 (modified)  
List of Patents and Publications  
For Applicant's Information  
Disclosure Statement  
(Use several sheets if necessary)

ATTY. DOCKET NO.: 5659-06900

APPLICANT: Wellington et al.

FILING DATE: April 24, 2001

SERIAL NO.: 09/841,298

CONFIRMATION NO.: 3893

ART UNIT: 1764

### U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APP.	
	U107	6789625	9/14/2004	de Rouffignac et al.				
	U108	6782947	8/31/2004	de Rouffignac et al.				
	U109	3017168	1/16/1962	Carr				
	U110	3434541	3/25/1969	Cook et al.				
	U111	4598772	7/8/1986	Holmes				
	U112	5456315	10/10/1995	Kisman et al.				
	U113	3288648	11/29/1966	Jones				
	U114	4415034	11/15/1983	Bouck				
	U115	6820688	11/23/2004	Vinegar et al.				
	U116	6805195	10/19/2004	Vinegar et al.				
	U117	3386508	6/4/1968	Bielstein et al.				
	U118	4303126	12/1/1981	Blevins				
	U119	4766958	8/30/1988	Faecke				
	U120	4828031	5/9/1989	Davis				
	U121	5085276	2/4/1992	Rivas et al.				
	U122	5305829	4/26/1994	Kumar				
	U123	5377756	1/3/1995	Northrop et al.				
	U124	5411086	5/2/1995	Burcham et al.				
	U125	4319635	3/16/1982	Jones				
	U126	5027896	7/2/1991	Anderson				
	U127	5325918	7/5/1994	Berryman et al.				
	U128	4418752	12/6/1983	Boyer et al.				
		U130	5891829	4/6/1999	Vallejos et al.			

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.





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EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APP.	
	U131	4151877	5/1/1979	French				
	U132	4243511	1/6/1981	Allred				
	U133	4439307	3/27/1984	Jaquay et al.				
	U134	4544478	10/1/1985	Kelley				
	U135	5041210	8/20/1991	Merrill, Jr. et al.				
	U136	4285547	8/25/1981	Weichman				
	U137	4234230	11/18/1980	Weichman				
	U138	3700280	10/24/1972	Papadopoulos et al.				
	U139	3759328	9/18/1973	Ueber et al.				
	U140	3804169	4/16/1974	Closmann				
	U141	3804172	4/16/1974	Closmann et al.				
	U142	4065183	12/27/1977	Hill et al.				
	U143	3779602	12/18/1973	Beard et al.				
		U144	4260192	4/7/1981	Shafer			
		U145	20030029617	2/13/2003	Brown et al.			

### OTHER ART

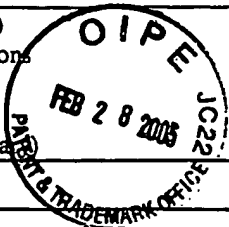
Exam Initials	REF DES	Article (Including Author, Title, Date, Pertinent Pages, Etc.)
	SR01	PCT "International Search Report" for International Application No. PCT/US 02/34264 mailed on December 2, 2004; 6 pages.

EXAMINER:

DATE CONSIDERED: 3/28/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

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ATTY. DKT. NO. 5659-06900/TH195

SERIAL NO. 09/841,298

APPLICANT: Wellington et al.

GROUP: 1764

FILING DATE: April 24, 2001

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
	AA2	294 809	1988-12-14	EP	—	—	

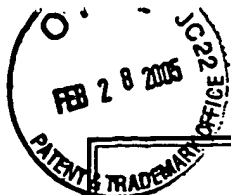
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DATE CONSIDERED:

3/28/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of  
Invention

Title IN SITU THERMAL PROCESSING OF A COAL  
FORMATION TO PRODUCE A MIXTURE OF OLEFINS,  
OXYGENATED HYDROCARBONS, AND AROMATIC  
HYDROCARBONS

Application Number: 09/841298

\*09/841298\*

Confirmation Number: 3893

First Named Applicant: Scott Wellington

Attorney Docket Number: 5659-06900

Art Unit: 1764

Examiner: J. D. Johnson

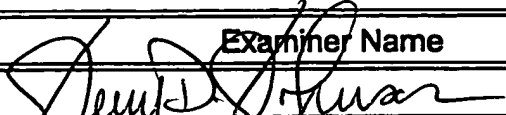
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6782947 ).pn.


### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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<input checked="" type="checkbox"/>	2	3434541	1969-03-25	Cook et al.			
<input checked="" type="checkbox"/>	3	4598772	1986-07-08	Holmes			
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<input checked="" type="checkbox"/>	5	6789625	2004-09-14	de Rouffignac et al.			
<input checked="" type="checkbox"/>	6	6782947	2004-08-31	de Rouffignac et al.			

### Signature

Examiner Name	Date
	3/28/05

<b>Form PTO-1449 (modified)</b> List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	<b>ATTY. DKT. NO.</b> 5659-06900/TH1994  <b>APPLICANT:</b> Wellington et al.  <b>FILING DATE:</b> April 24, 2001	<b>SERIAL NO.</b> 09/841,298  <b>GROUP:</b> 1764
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>		
	L12	Van Krevelen, COAL: Typology-Physics-Chemistry-Constitution, 1993, pp. 27, 42, 52, 322, 323, 324, 325, 326, 526, 527, 726.

EXAMINER:

DATE CONSIDERED: 3/28/05

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FEB 28 2005

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PATENT & TRADEMARK

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FORMATION TO PRODUCE A MIXTURE OF OLEFINS,  
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HYDROCARBONS

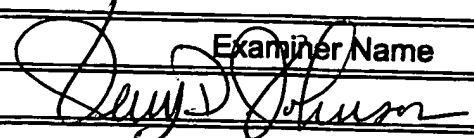
Application Number: 09/841298 \*09/841298\*  
Confirmation Number: 3893  
First Named Applicant: Scott Wellington  
Attorney Docket Number: 5659-06900  
Art Unit: 1764  
Examiner: Marian C. Knode  
Search string: ( 3026940 or 3947683 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

Init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3026940	1962-03-27	Spitz			
	2	3947683	1976-03-30	Schultz et al.			

Signature

	Examiner Name	Date
		3/28/05



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TO PRODUCE A MIXTURE OF OLEFINS, OXYGENATED  
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Application Number: 09/841298

\*09/841298\*

Confirmation Number: 3893

First Named Applicant: Scott Wellington

Attorney Docket Number: 5659-06900

Art Unit: 1764

Examiner: Thuan D. Dang

Search string: ( 3032102 or 3079085 or 3454365 or 4260018 or 4683947 or  
5055180 or 5626191 or 6353706 or 6467543 or 6499536 or  
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### US Patent Documents

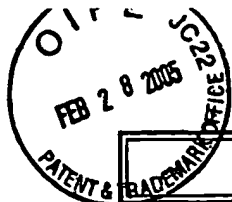
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<input checked="" type="checkbox"/>	2	3079085	1991-01-08	Clark, Jr. et al.			
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<input checked="" type="checkbox"/>	14	4018280	1977-04-19	Daviduk et al.			

15	4698149	1987-10-06	Mitchell
16	5539853	1996-07-23	Jamaluddin et al.
17	3691291	1972-09-12	Taj

Signature

Examiner Name	Date
<i>Devy &amp; Johnson</i>	3/28/05



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Application Number: 09/841298 \*09/841298\*  
Confirmation Number: 3893  
First Named Applicant: Scott Wellington  
Attorney Docket Number: 5659-06900  
Examiner: Unknown Unknown  
Search string: ( 1646599 or 3952802 or 4010800 or 3892270 ).pn.

### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

Init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	1646599	1927-10-25	Schaefer			
	2	3952802	1976-04-27	Terry			
	3	4010800	1977-03-08	Terry			
	4	3892270	1975-07-01	Lindquist			

### Remarks

Note: Remarks are not for responding to an office action.

Foreign applications and other art will be submitted on a PTO-1449 form

### Signature

Examiner Name	Date
	3/28/05



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Confirmation Number: 3893

First Named Applicant: Scott Wellington

Attorney Docket Number: 5659-06900

Examiner: unknown unknown

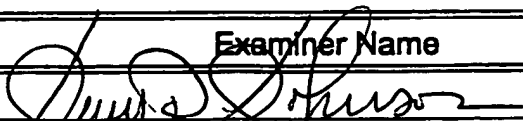
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Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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<input type="checkbox"/>	2	4031956	1977-06-28	Terry			
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Signature

Examiner Name	Date
	3/28/05

# Electronic Information Disclosure Statement

## IN SITU THERMAL PROCESSING OF A COAL FORMATION TO PRODUCE A MIXTURE OF OLEFINS, OXYGENATED HYDROCARBONS, AND AROMATIC HYDROCARBONS

Application: \*09/841298\*  
09/841298  
Confirmation: 3893  
Applicant(s): Scott Wellington  
Docket Number: 5659-06900  
Group Art Unit:  
Examiner: Unknown  
search string: ( 3221811 or 3987851 or 4042026 or 4005752 or 5868202 or 5126037 or 3477058 or 3580987 ).pn.


### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

Init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
01	P01	3221811	1965-12-07	*3221811*	Prats		
	P02	3987851	1976-10-26	*3987851*	Tham		
	P03	4042026	1977-08-16	*4042026*	Pusch et al.		
	P04	4005752	1977-02-01	*4005752*	Cha		
	P05	5868202	1999-02-09	*5868202*	Hsu		

<del>P06</del>	5126037	1992-06-30	*5126037*	Showalter
<del>P07</del>	3477058	1968-11-04	*3477058*	Vedder et al.
<del>P08</del>	3580987	1971-05-25	*3580987*	Priaroggia

### Signature

Examiner Name	Date
	3/28/05







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09/841298  
Confirmation: 3893  
Applicant(s): Scott Wellington  
Docket  
Number: 5659-06900  
Group Art  
Unit:  
Examiner: Unknown  
search string: (4193451 or 4265307 or 4390067 or 4456065 or 4457374 or 4479541 or 4498535 or 4598770 or 4669542 or 4682652 or 4982786 or 5201219 or 5339904 or 3349845 ).pn.

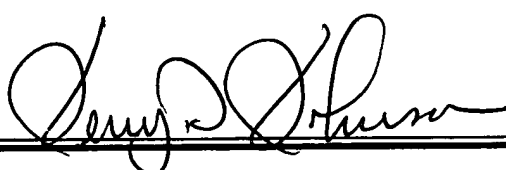
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Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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	P08	4193451	1980-03-18	*4193451*	Dauphine		
	P09	4265307	1981-05-05	*4265307*	Elkins		
	P10	4390067	1983-06-28	*4390067*	Wilman		
	P11	4456065	1984-06-26	*4456065*	Heim et al.		
	P12	4457374	1984-07-03	*4457374*	Hoekstra et al.		
	P13	4479541	1984-10-30	*4479541*	Wang		

	P14	4498535	1985-02-12	*4498535*	Bridges
	P15	4598770	1986-07-08	*4598770*	Shu et al.
	P16	4669542	1987-06-02	*4669542*	Venkatesan
	P17	4682652	1987-07-28	*4682652*	Huang et al.
	P18	4982786	1991-01-08	*4982786*	Jennings, Jr.
	P19	5201219	1993-04-13	*5201219*	Bandurski et al.
	P20	5339904	1994-08-23	*5339904*	Jennings, Jr.
	P25	3349845	1967-10-31	*3349845*	Holbert et al.

### Signature

Examiner Name	Date
	3/28/05



# Electronic Information Disclosure Statement

## IN SITU THERMAL PROCESSING OF A COAL FORMATION TO PRODUCE A MIXTURE OF OLEFINS, OXYGENATED HYDROCARBONS, AND AROMATIC HYDROCARBONS

Application: \*09/841298\*

09/841298

Confirmation: 3893

Applicant(s): Scott Wellington

Docket  
Number: 5659-06900

Group Art

Unit:

Examiner: Unknown

search string: ( 4087130 or 4537252 or re30019 or 2623596 or 3775185 or 4524113 or 5284878 or 5767584 or 5955039 or 4091869 or 4513816 or 0094813 or 5008085 or 4099567 or 0048994 or 64852332 or 20020018697 ).pn.

### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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<input checked="" type="checkbox"/>	P32	4091869	1978-05-30	*4091869*	Hoyer
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<input checked="" type="checkbox"/>	P38	64852332	2002-11-26	*64852332*	Vinegar et al.

## Published Applications

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

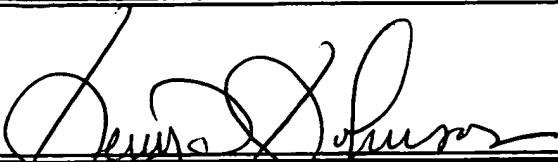
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## Remarks

(Remarks are not for responding to an office action.)

Please note: Foreign patent documents and non-patent references will be sent using a standard US PTO 1449 Form.

**Signature**

Examiner Name	Date
	3/28/05